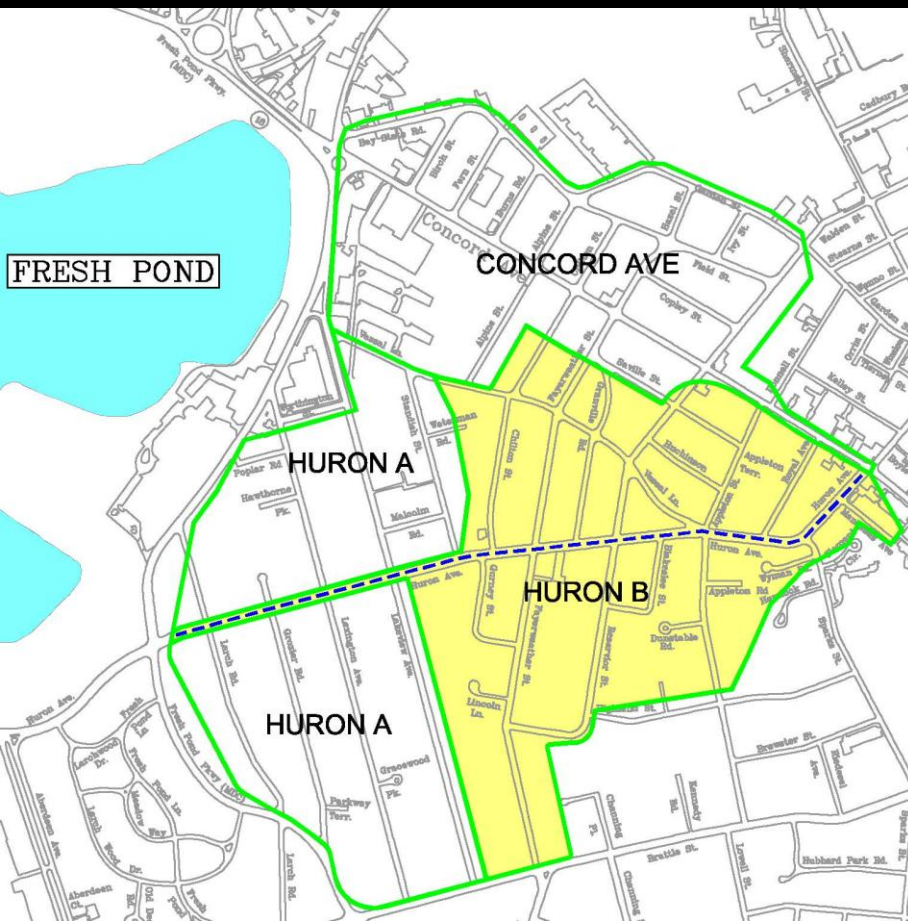


Alewife Sewer Separation Project

Huron B Neighborhood And Huron Ave

Community Meeting – May 1, 2012



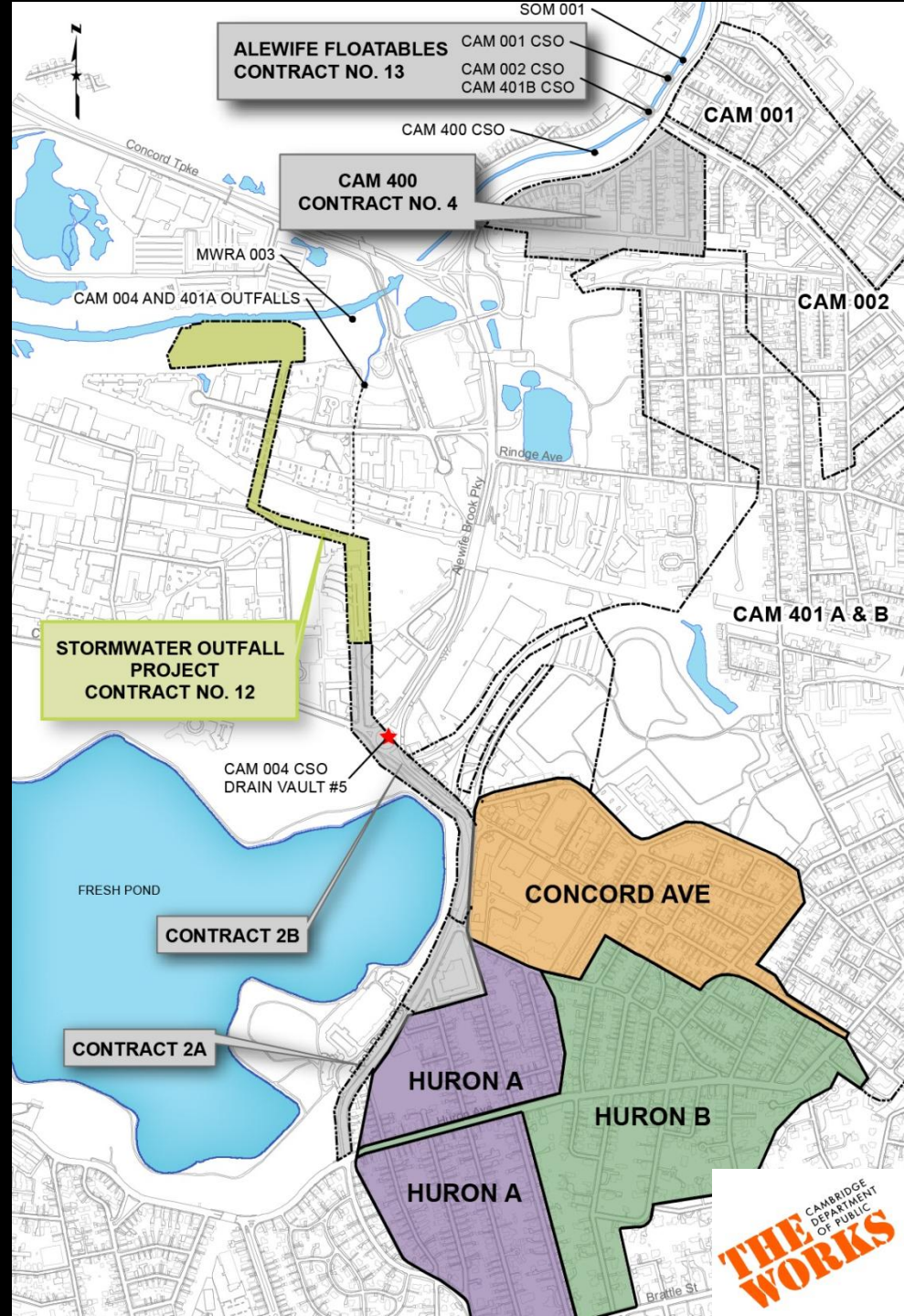
Alewife Sewer Separation Project Huron B Neighborhood

Community Meeting – May 1, 2012

- **Welcome and Introduction** Kara McSweeney
- **Historical Prospective** Charles Sullivan
- **Project Goals and Benefits** Catherine Woodbury
- **Huron B Project Overview** Kara McSweeney
 - **Utility Improvements**
 - **Roadway/Sidewalk/Streetscape**
- **Huron Avenue** Jeff Rosenblum
- **Community Process and Next Steps** Kelly Dunn
- **Comments and Questions**

Goals

- Court-ordered clean up of Boston Harbor requires implementation of the Long Term Control Plans for Combined Sewer Overflow (CSO) for Alewife Brook
- MWRA's LTCP for Alewife Brook
 - 50 Mg → 7.3 Mg
 - 63 activations → 7 activations



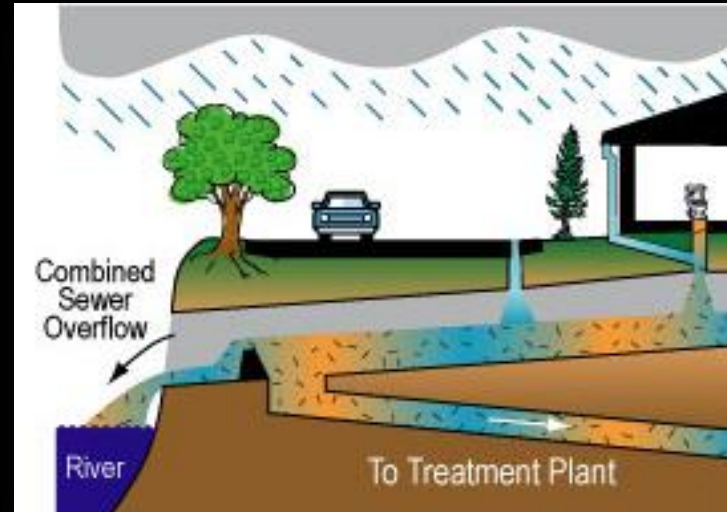
Issues with CSO's

In wet weather –

- Combined stormwater and sewerage overwhelm the sewer
- Excess overflows into Alewife Brook

Inflow and Infiltration (I&I)-

- Stormwater Connections from private property to sewer system



Benefits of Sewer Separation

- Improve water quality of Alewife Brook
- Improve sewer and stormwater systems level of service
- Protect Fresh Pond
- Reduced treatment costs
- Reduce sources of I&I



Alewife Reservation Stormwater Wetland



- 3.4 acre Stormwater Wetland
- Enhancements of fish and wildlife habitat quality
- Educational and recreational opportunities
- Improved Site Amenities

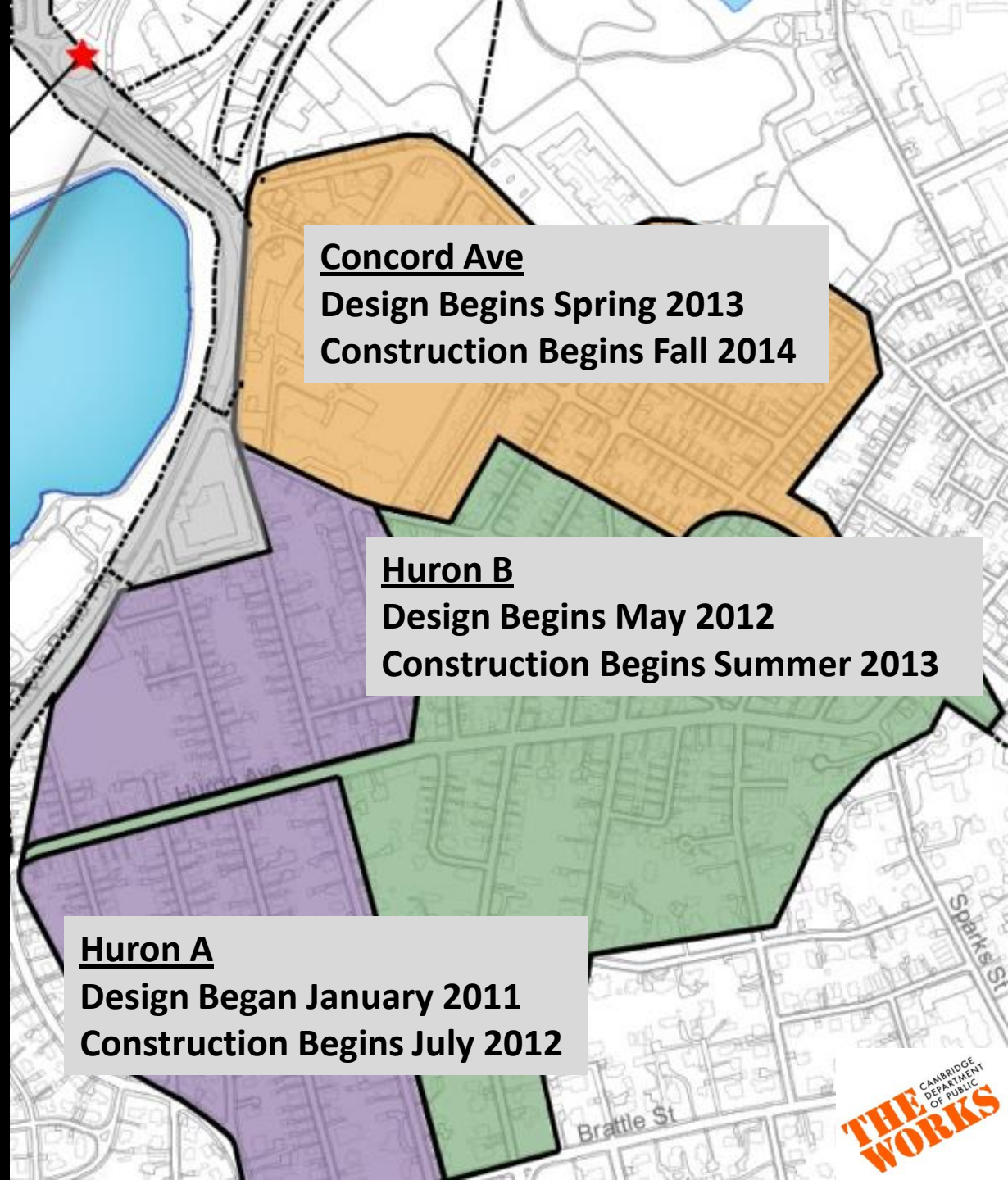
Huron/Concord Project Areas

Sewer improvements on all 3 contracts to be complete by December 2015

Surface restoration complete by 2016

Sewer separation will:

- Eliminate CSOs from this neighborhood
- Improve stormwater quality discharges to Alewife Brook
- Marginal improvement on local flooding

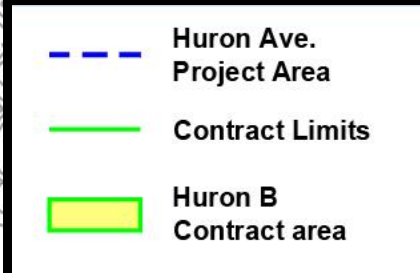
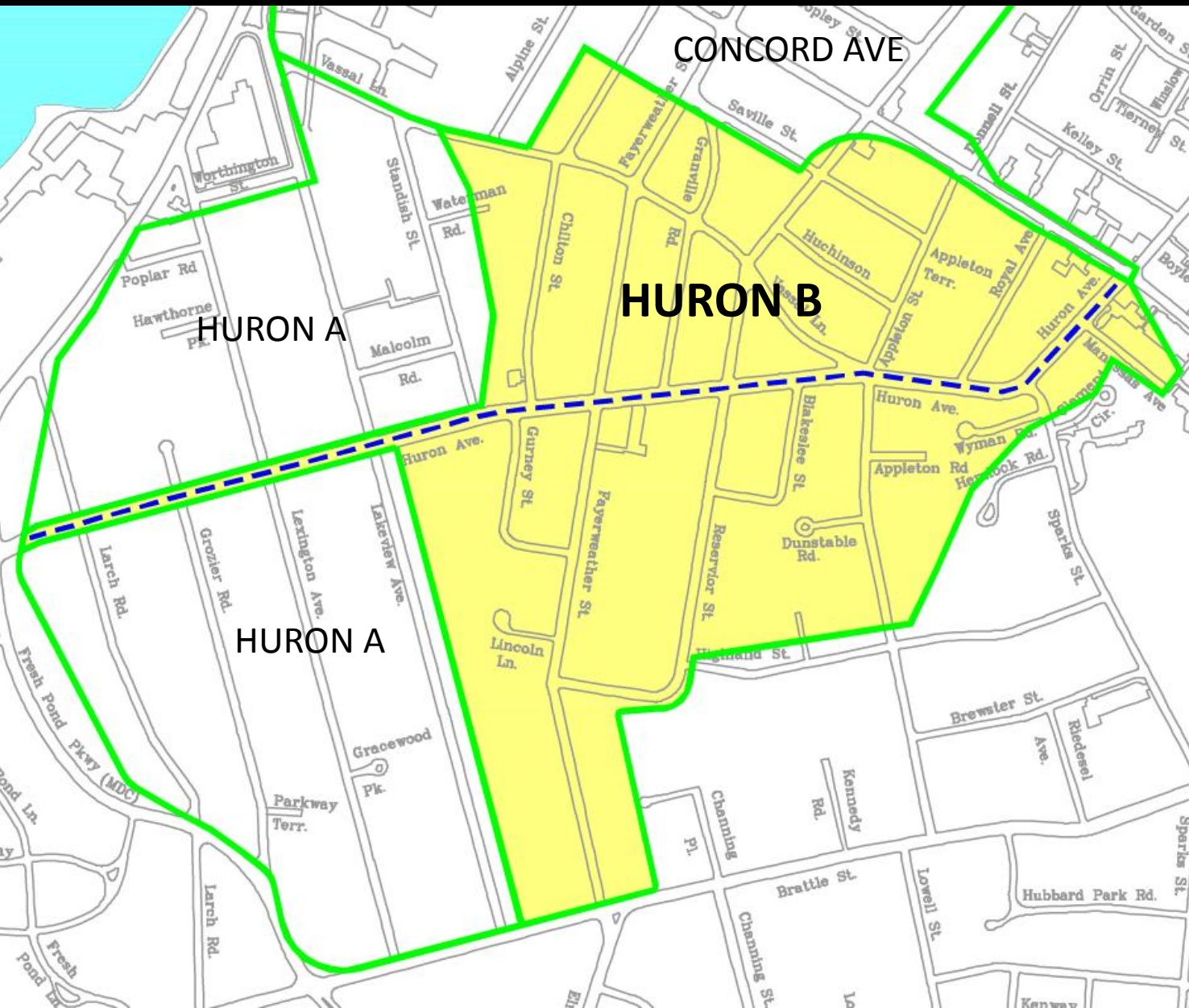


Concord Ave
Design Begins Spring 2013
Construction Begins Fall 2014

Huron B
Design Begins May 2012
Construction Begins Summer 2013

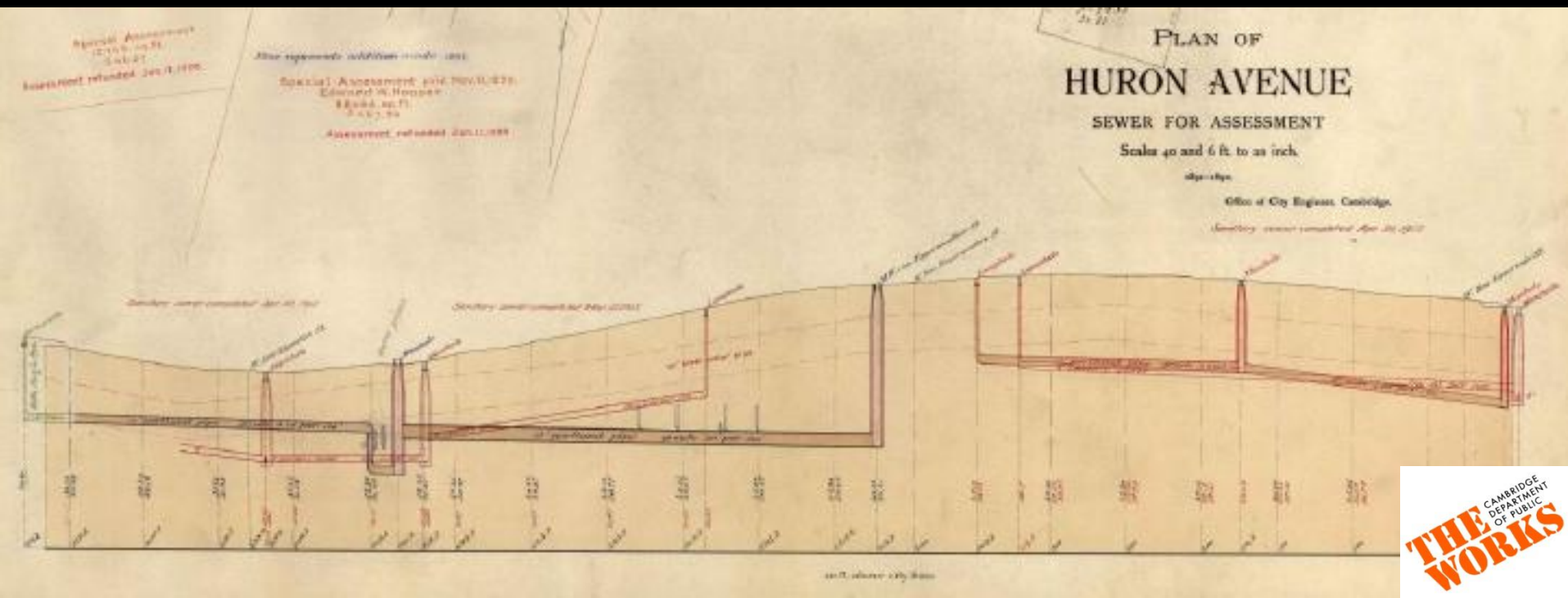
Huron A
Design Began January 2011
Construction Begins July 2012

Huron B Project Area



Major Project Elements

- Primary focus is sewer and stormwater systems
- Existing systems constructed between 1880 and 1940



Major Project Elements

UTILITY IMPROVEMENTS

- Sewer main construction and rehabilitation
- Installation of new pipes and manholes
- City water main pipes, hydrants and services (replace lead services with copper)
- Private Utility Upgrades and Repairs



Major Project Elements

STREET & SIDEWALK IMPROVEMENTS

- New pavement and accessible sidewalks
- Enhanced pedestrian safety (traffic calming)
- Healthy tree canopy
- Water Quality Improvements



Street and Sidewalk Improvements

- Pavement condition
- Sidewalk Condition and Accessibility
 - Tree inventory



Street and Sidewalk Improvements

- Pavement condition
- Sidewalk Access – Tree inventory

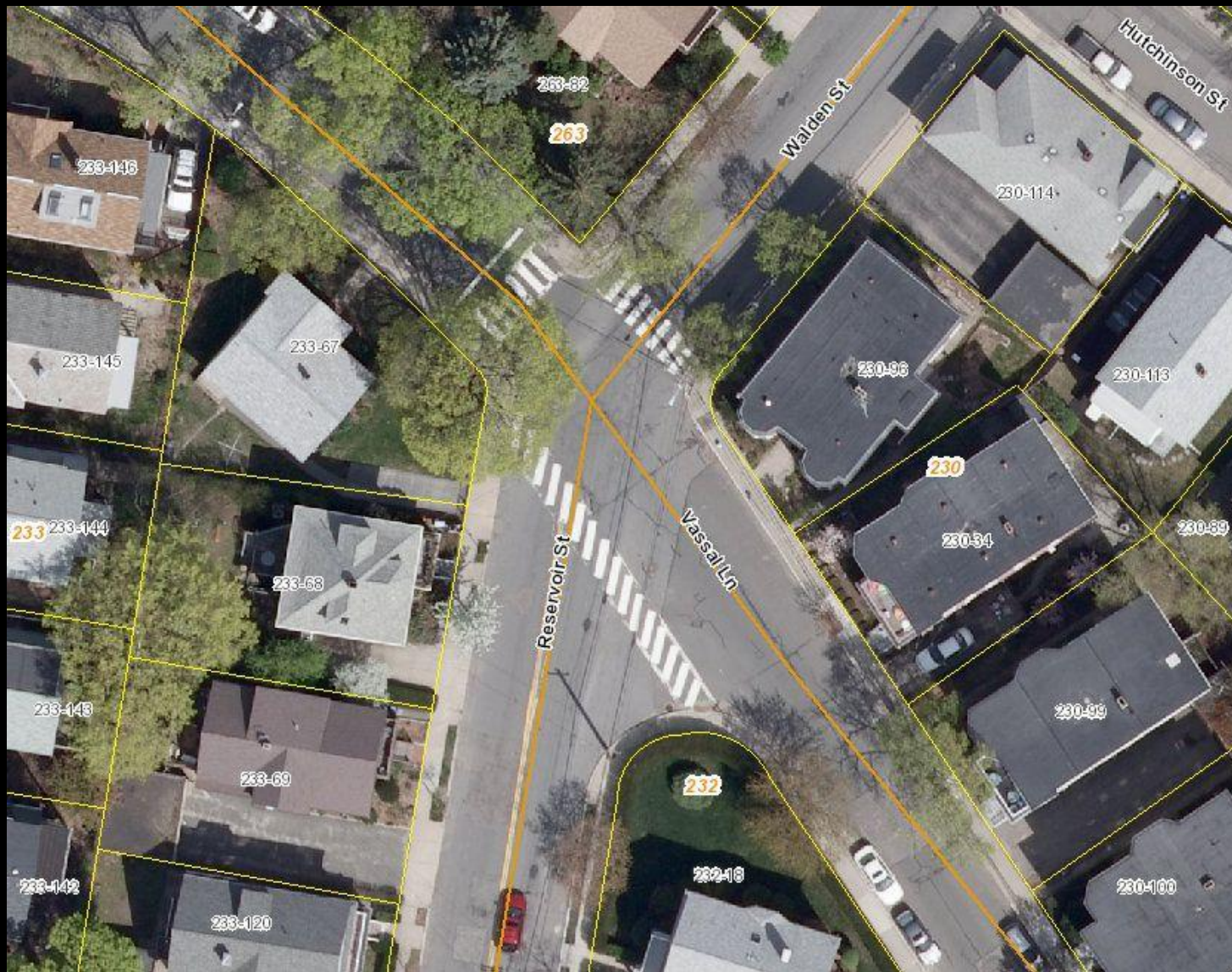


Complete Streets Improvements

- Opportunity to incorporate Traffic Calming Measures for improved pedestrian safety



Complete Streets Improvements

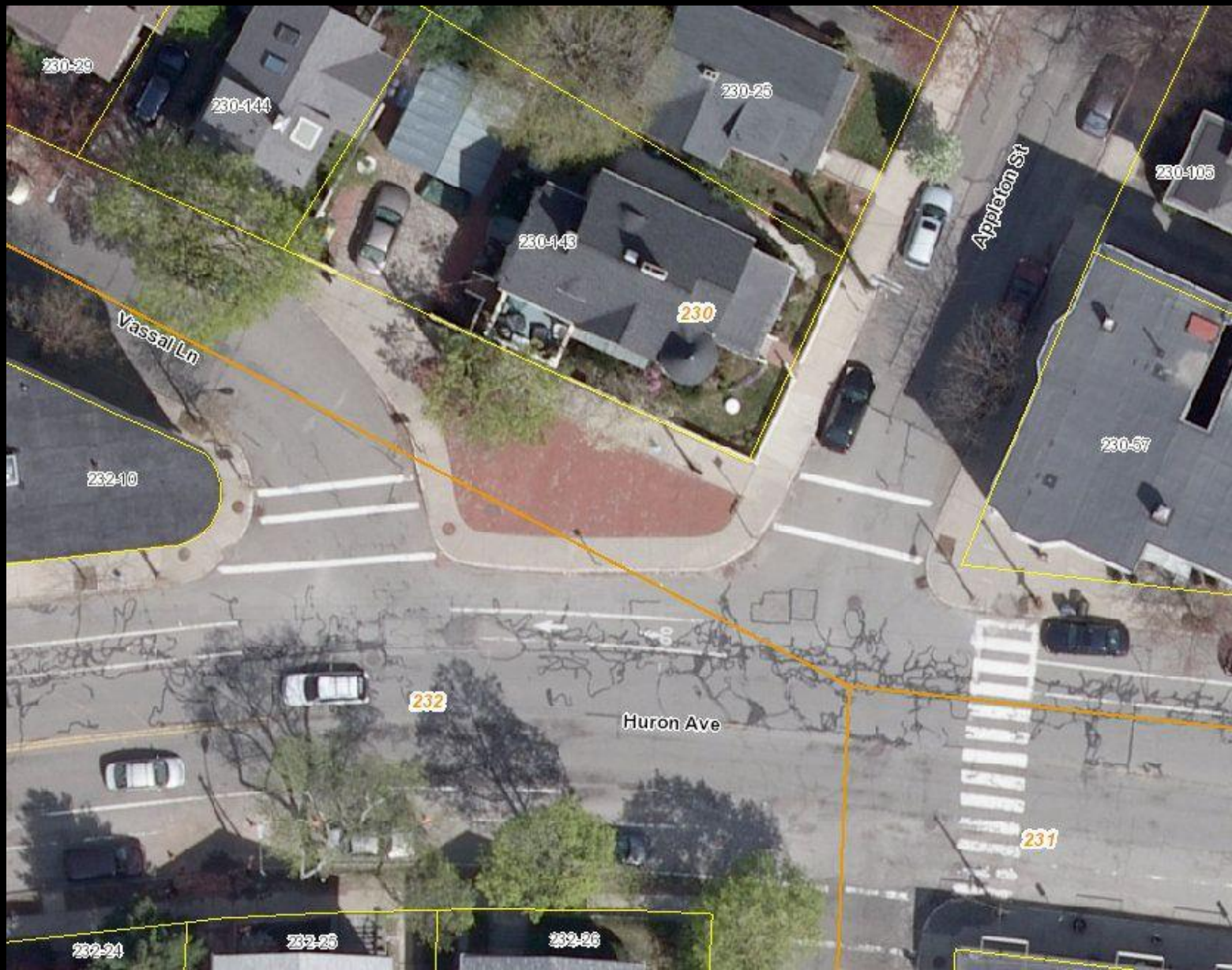


Streetscape - Revegetation

- Replace trees that are in poor condition
- Plant new trees
- Opportunities for new planting areas

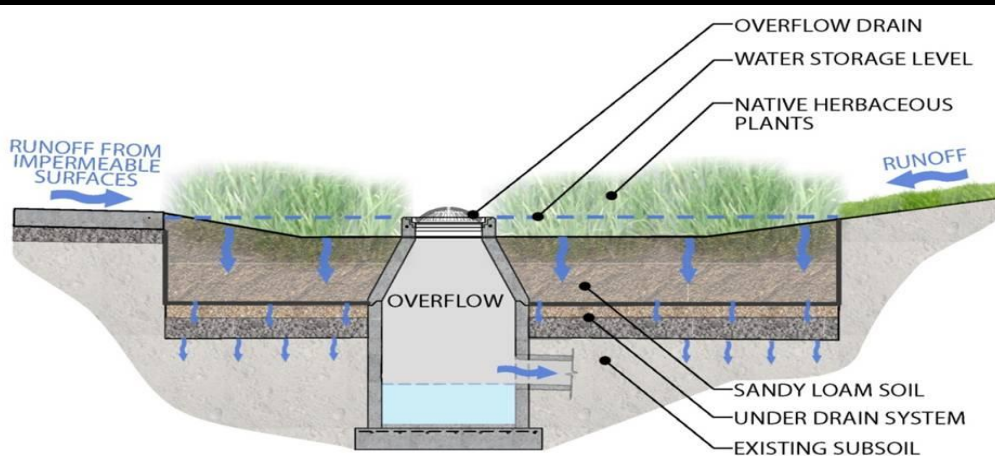


Streetscape - Revegetation



Water Quality Improvements

- Increased plantings
 - New Trees
 - At curb extensions
- Rain gardens
- Porous pavement



Huron Avenue: Design Process

- Community input
- Develop Concepts
- Project goals
- Evaluate



Huron Avenue Goal: Safety

- Safe for all users
- Conditions for walking, bicycling, transit
- Traffic speed



Huron Avenue Goal: Mobility

- Provide disability access
- Consider traffic flow and parking
- Transit improvements



Huron Avenue Goal: Urban Design

- Reinforce residential character
- Enhance businesses district character
- Improve landscaping



Community Relations

Design Meetings – Neighborhood Streets

- Break into Residential Streets North and South of Huron Ave
- Large group discussion and break out sessions
- Design Options– June 2012
- Design Selection– September 2012

Design Meetings – Huron Avenue

- Design Input– June 2012
- Design Options– September 2012
- Design Selection– October/November 2012

Meetings with businesses will be coordinated.

Next Steps

- **Continued Field Data Collection**
 - Cleaning and CCTV inspection of pipes – upcoming
 - Geotechnical soil borings – upcoming
 - Huron Ave Traffic and Transit Data Collection
- **Detailed Design Process of Huron B**
 - 12 month design phase
 - Next meetings
 - June 26: Huron Ave
 - June 27: Southern Residential Streets
 - June 28: Northern Residential Streets
 - Tree Inventory Walks with Arborist: Summer 2012
- **Construction begins Summer 2013**

Contact Information

- Questions, Comments or Suggestions
 - Kara McSweeney Falise, Project Manager
kmcsweeney@Cambridgema.gov
 - Kelly Dunn, Community Relations Manager
kdunn@Cambridgema.gov
 - Jeff Rosenblum, Project Manager, Huron Ave
jrosenblum@cambridgema.gov
- 24-Hour Emergency Assistance
 - Cambridge DPW at 617-349-4800
- Information on City Web Site
 - www.cambridgema.gov/theworks/cityprojects.aspx,
under *Alewife Sewer Separation Project*
 - Website includes link to Huron Ave Survey

Comments and Questions